

**From:** [Young, Howard S.](#)  
**To:** [Sheldrake, Sean](#); [Zhen, Davis](#)  
**Cc:** [Scott Coffey](#); [Trump, Julee M.](#); [Silvertooth, Jason R.](#); [Greazel, Andrew](#)  
**Subject:** RE: Update on Pre-RD Group activities and issues  
**Date:** Wednesday, April 25, 2018 3:57:45 PM

---

Sean and Davis,

For Thursday here is the contact information for our field staff and what boats they will be on in case you need to contact them for their location.

Jason Silvertooth (b) (6) (fish tracking receiver deployment and testing on the Ballard Marine vessel)

Julee Trump (b) (6) (surface sediment sampling on the Tieton)

Andy Greazel (b) (6) (surface sediment sampling on the Cayuse)

I am copying them on this email.

Howard S. Young, LG | CDM Smith

14432 SE Eastgate Way, Suite 100 | Bellevue, WA 98007-6493

T: 425.519.8300 | Direct 425.519.8351 | Cell 206.491.4663 | [younghs@cdmsmith.com](mailto:younghs@cdmsmith.com) |

[www.cdmsmith.com](http://www.cdmsmith.com)

---

**From:** Coffey, Scott

**Sent:** Wednesday, April 25, 2018 10:23 AM

**To:** Sheldrake, Sean <[sheldrake.sean@epa.gov](mailto:sheldrake.sean@epa.gov)>

**Cc:** Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>; Young, Howard S. <[younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)>

**Subject:** Update on Pre-RD Group activities and issues

**Importance:** High

Sean and Davis,

Attached is a brief update that Howard helped prepare per your request that has current ongoing activities, tentative schedule for Thursday 4/26, and issues that have been identified during EPA's oversight.

Current Status:

- Bathymetric surveying has been completed.
- Surface sediment sampling is proceeding with 2 sampling vessels, generally working from downstream to upstream and targeting softer sediment areas first. Currently they are at approximately river mile (RM) 9 – 10.
- Set up for the fish acoustics study started on 4/23. Submerged moorings with radio receivers have been deployed from a single vessel at designated locations. Currently deploying receivers from RM2 and working upstream towards Swan Island. Deployment expected to be complete early Thursday.

Tentative Schedule Thursday 4/26:

- Research vessel Cayuse – collection of random stratified samples from approximately RM 9 and upstream
- Research vessel Tieton – collection of random stratified samples from approximately RM 9 and upstream
- Ballard Marine vessel – finish deployment of submerged moorings and perform towed transmitter tag testing of the receiver gates/arrays.
- CDM Smith will have one oversight staff on each of vessel.
- All vessels are docked and working out of the Fred Devine dock at Swan Island Lagoon.

Outstanding Issues from Oversight:

- No schedule updates have been received from AECOM since the 3/16 comprehensive schedule, despite many changes. This has made oversight staffing arrangements difficult and in some cases resulted in the contractor performing investigation with out EPA oversight.
- Slow or insufficient information provided in response to EPA's data/information requests.
- Field procedures changed from the approved FSP prior to submitting or getting an approval from EPA leading to confusion on contractor field staff and oversight on what QC procedures to follow in data collection. This was a particular problem on GPS horizontal accuracy QC and in accepted sediment grab penetration depths.
- General disregard for EPA directives communicated by EPA oversight staff to field supervisors. This issue has come up several times when EPA oversight staff have told the field supervisor that EPA requires them to follow EPA's alternative hard sediment sampling protocol and the field supervisor has responded that they will follow the procedures that AECOM management have directed them to. This issue has not come to a head because no hard sediment refusal was encountered that would result in them implementing their non-approved procedures. However, it is an outstanding issue that AECOM field staff are telling our oversight staff that they will follow AECOM's procedures despite EPA and AECOM upper management agreement to follow EPA procedures.
- Poorly prepared for addressing sheen in the river in event of a contamination release due to sediment grab sampling. While the crews have equipment and followed the spill mitigation procedures, our observations were that increased oversight is needed to verify that they are effective at spill/sheen response. The contractor is avoiding sampling in high contamination areas until they get a specialized remediation contractor onboard to help them with sheen mitigation.

---

**From:** Sheldrake, Sean <[sheldrake.sean@epa.gov](mailto:sheldrake.sean@epa.gov)>

**Sent:** Wednesday, April 25, 2018 7:27 AM

**To:** Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>

**Cc:** Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>

**Subject:** Thursday morning locations for PreRD vessels deliberative

Scott, could cdm give me updates 9-12 tomorrow, Thursday? I'd like to give Chris an opportunity to sidle up to each of their vessels and inspire folks to follow epa and reps directions.

Thanks !

S

Sean Sheldrake, RPM

Unit Diving Officer

206.225.6528

Sent from my iPhone

On Apr 24, 2018, at 6:40 PM, Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)> wrote:

FYI

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Young, Howard S." <[younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)>

Date: 4/24/18 5:39 PM (GMT-08:00)

To: "Tyrrell, Ken" <[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)>

Cc: "Zhen, Davis" <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>, "Coffey, Scott" <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>, "Silvertooth, Jason R." <[silvertoothjr@cdmsmith.com](mailto:silvertoothjr@cdmsmith.com)>

Subject: RE: Support boat from NRC for EPA observers

Thanks Ken. Yes Jason Silvertooth will be there at 8AM and participate in the safety briefing. I am copying him so that he has Ryan McCarthy's number to check in on the safety briefing and make observations on the receiver deployment vessel.

---

**From:** Tyrrell, Ken <[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)>

**Sent:** Tuesday, April 24, 2018 5:34 PM

**To:** Young, Howard S. <[younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)>; Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>

**Cc:** Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>

**Subject:** RE: Support boat from NRC for EPA observers

Howard,

We can only make the second vessel available starting at 10, however you are welcome to join the primary vessel to observe the loading and other pre-mobilization tasks such as a safety briefing.

Probably best to directly contact Ryan McCarthy ((b) (6)) to coordinate observing the loading of the primary vessel and receive a safety briefing.

I understand from the field teams that Jason (?) will meet the receiver deployment team at 8:00 tomorrow.

As a reminder, your team is welcome to join the primary vessel to observe the field testing procedure on Thursday or Friday.

**Ken Tyrrell**

Executive Vice President

Project Coordinator – Portland Harbor

Design and Consulting Services Group

M +281-224-2793

[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)

**AECOM**

1111 Third Avenue

Seattle, WA 98101

T +206-438-2700

[www.aecom.com](http://www.aecom.com)

---

**From:** Young, Howard S. [<mailto:younghs@cdmsmith.com>]

**Sent:** Tuesday, April 24, 2018 5:09 PM

**To:** Tyrrell, Ken <[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)>; Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>

**Cc:** Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>

**Subject:** RE: Support boat from NRC for EPA observers

Ken,

I see that the start time is 10 AM. Will this also be the start time for the vessel that deploys the receivers? We understand that there is not room for our oversight staff on that vessel but they would like to make observations on the vessel before it embarks.

Thank you,

Howard S. Young, LG | CDM Smith

14432 SE Eastgate Way, Suite 100 | Bellevue, WA 98007-6493

T: 425.519.8300 | Direct 425.519.8351 | Cell 206.491.4663 | [younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)

| [www.cdmsmith.com](http://www.cdmsmith.com)

---

**From:** Tyrrell, Ken <[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)>

**Sent:** Tuesday, April 24, 2018 4:56 PM

**To:** Zhen, Davis <[Zhen.Davis@epa.gov](mailto:Zhen.Davis@epa.gov)>

**Cc:** Coffey, Scott <[CoffeySE@cdmsmith.com](mailto:CoffeySE@cdmsmith.com)>; Young, Howard S.  
<[younghs@cdmsmith.com](mailto:younghs@cdmsmith.com)>

**Subject:** FW: Support boat from NRC for EPA observers

Davis, Scott and Howard,

Here are the logistics to meet the separate vessel to observe the deployment of the fish tracking receivers.

Contact information is also provided in the below email.

Feel free to give me a call w/ any questions about the logistics or other details.

For the record, the observer is invited to join on the primary vessel to observe testing of the receivers and that activity is anticipated to occur on Thursday or Friday. The separate vessel will not be available during the receiver testing phase.

Let's stay in touch to ensure everything goes as planned.

**Ken Tyrrell**

Executive Vice President

Project Coordinator – Portland Harbor

Design and Consulting Services Group

M +281-224-2793

[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)

**AECOM**

1111 Third Avenue

Seattle, WA 98101

T +206-438-2700

[www.aecom.com](http://www.aecom.com)

**From:** Shawn Hinz [<mailto:shawn@gravitymarine.com>]

**Sent:** Tuesday, April 24, 2018 1:41 PM

**To:** Ruffle, Betsy <[betsy.ruffle@aecom.com](mailto:betsy.ruffle@aecom.com)>; Tyrrell, Ken <[ken.tyrrell@aecom.com](mailto:ken.tyrrell@aecom.com)>;  
McCarthy, Ryan <[Ryan.McCarthy@aecom.com](mailto:Ryan.McCarthy@aecom.com)>; John Schaefer  
<[John@gravitycon.com](mailto:John@gravitycon.com)>

**Cc:** Pretare, Jennifer <[jennifer.pretare@aecom.com](mailto:jennifer.pretare@aecom.com)>; Jeff Wilson  
<[jeff@gravityenv.com](mailto:jeff@gravityenv.com)>

**Subject:** Re: Support boat from NRC for EPA observers

Hi Ken and Betsy

See updated email

The observer vessel is contracted and scheduled for the next day or two as needed.

Below are some logistics details:

1. Vessel is at NRC facility -Fred Devine Yard. Please have any observers go to main office and sign-in. Vessel will take observers from NRC facility to the observation points each day.

**Address:** 6211 N Ensign St, Portland, OR 97217

2. Planned daily hours are 10-5. EPA observers should be reminded that any changes to these hours must be approved by AECOM

3. Dave Glad with NRC will be the vessel operator his phone number is (b) (6) . If Dave is not available please coordinate with Stan Jensen (b) (6)

4. For all logistics and scheduling please have EPA observers contact me directly - they should not coordinate with NRC. Shawn Hinz - (b) (6) . If I am not available please have them call Jeff Wilson (b) (6) . Gravity will then get approval from AECOM before any changes are made.

cheers

Shawn Hinz